



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OLIFF & BERRIDGE, PLC
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Attorney Docket No.: 103092.02

Date: November 26, 2001

Customer Number: 25944

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a

☒ Continuation

☐ Divisional

☐ Continuation-in-Part

application of prior pending Application No. 09/589,353, filed June 8, 2000.

For (Title):

SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING
THE SAME, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT

By (Inventors):

Nobuaki HASHIMOTO

1. ☒ A Declaration and Power of Attorney is attached. The attached Declaration and Power of Attorney is:
- ☒ a. A copy of the Declaration and Power of Attorney from the parent application. (Used with the same or fewer inventors and (a) a copy of the prior application or (b) a revised, reformatted or edited version of the prior application that does not contain new matter.)
- ☐ b. A new Declaration and Power of Attorney. (Used with the same, fewer or additional inventors and (a) a copy of the prior application, (b) a revised, reformatted or edited version of the prior application that does not contain new matter, or (c) a new specification.)
2. ☒ The filing fee is calculated below:

CLAIMS IN THE APPLICATION AFTER ENTRY OF
ANY PRELIMINARY AMENDMENT NOTED BELOW

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	52 - 20	= *32
INDEP CLAIMS	6 - 3	= * 3
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS PRESENTED		

* If the difference is less than zero, enter "0".

SMALL ENTITY

RATE	FEE
	\$ 370
x 9 =	\$
x 42 =	\$
+140 =	\$
TOTAL	\$

OTHER THAN A
SMALL ENTITY

RATE	FEE
	\$ 740
x 18	\$ 576
x 84	\$ 252
+280	\$ 0
TOTAL	\$1568

3. ☒ Check No. 125213 in the amount of \$1,568.00 to cover the filing fee is attached. The Director is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.
4. ☐ Cancel claims _____ of the application before calculating the filing fee. At least one independent claim is retained for filing purposes.

DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
Charge any fee due to our
Deposit Account No. 15-0461

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5. ☒ Amend the specification by inserting before the first line the sentence:
--This is a ☒ Continuation ☐ Division ☐ Continuation-in-Part of Application No. 09/589,353 filed June 8, 2000, which in turn is a Division of Application No. 09/271,336, filed March 18, 1999. The entire disclosure of the prior application(s) is hereby incorporated by reference herein in its entirety.--
6. ☒ Drawings (Fig(s). 1A-12) are attached.
☐ Use Figure _____ for front page of Publication.
7. ☒ Priority of foreign application(s) No. 10-100580 filed March 27, 1998 in Japan and No. 11-041119 filed February 19, 1999 in Japan is claimed under 35 U.S.C. §119 and/or §365(b).
☒ The certified copies were filed in prior Application No. 09/271,336 on May 27, 1999.
☐ A certified copy of the above foreign application(s) is filed herewith.
8. ☐ Priority of U.S. Provisional Application(s) No. _____ filed _____ is claimed under 35 U.S.C. §119.
☐ Amend the specification by inserting before the first line the sentence:
--This nonprovisional application claims the benefit of U.S. Provisional Application(s) No. _____ filed _____--
9. ☒ The prior application is assigned of record to Seiko Epson Corporation recorded at Reel 010019, Frame 0112.
10. ☐ This application is filed by fewer than all the inventors named in the prior application (37 C.F.R. §1.53(b)(1)). Delete the following inventor(s) named in the prior application:

11. ☒ A Preliminary Amendment is attached. A Supplemental Preliminary Amendment is forthcoming. The Examiner is requested to defer examination until receipt of the Supplemental Preliminary Amendment. The Examiner is also requested to contact Applicant's representative listed below if the Supplemental Preliminary Amendment has not been received.
12. ☒ An Information Disclosure Statement is attached.
13. ☐ Small entity status:
☐ a. Entitlement to small entity status is asserted.
☐ b. Small entity status is no longer claimed.
14. ☐ Other: _____
15. ☐ This application is NOT to be published under 35 U.S.C. 112(b). The undersigned attorney or agent hereby certifies that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
16. ☒ The power of attorney in the application is to James A. Oliff, Registration No. 27,075, William P. Berridge, Registration No. 30,024, Kirk M. Hudson, Registration No. 27,562, Thomas J. Pardini, Registration No. 30,411, Edward P. Walker, Registration No. 31,450, Robert A. Miller, Registration No. 32,771, Mario A. Costantino, Registration No. 33,565, Stephen J. Roe, Registration No. 34,463, Joel S. Armstrong, Registration No. 36,430, Christopher W. Brown, Registration No. 38,025, and/or Richard E. Rice, Registration No. 31,560.
☒ a. The power appears in the attached Declaration and Power of Attorney.
☐ b. Since the power does not appear in the attached Declaration and Power of Attorney, a substitute Power of Attorney is also attached.
17. ☒ Address all future communications to:

OLIFF & BERRIDGE, PLC
P.O. Box 19928
Alexandria, Virginia 22320

Respectfully submitted,
COPY
James A. Oliff
Registration No. 27,075

Eric D. Morehouse
Registration No. 38,565



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Attn: Box Missing Parts

Nobuaki HASHIMOTO

Application No.: 09/991,931

Group Art Unit: 2823

Filed: November 26, 2001

Docket No.: 103092.02

For: SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING
THE SAME, CIRCUIT BOARD, AND ELECTRONIC INSTRUMENT

**RESPONSE TO NOTICE TO FILE CORRECTED
APPLICATION PAPERS WITH FORMAL DRAWINGS**

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

In response to the Notice to File Corrected Application Papers - Filing Date
Granted (copy attached) mailed on December 10, 2001, submitted herewith is 1 sheet of formal
drawings (Figs. 8A-8B) in compliance with 37 C.F.R. 1.84.

Entry of this document should complete all of the filing formalities and fully
satisfy all requirements of the Notice to File Corrected Application Papers. Examination and
allowance of this application in due course are respectfully solicited.

The Director is hereby authorized to charge any fee (or credit any overpayment)
associated with this communication to Deposit Account No. 15-0461. Two duplicate copies of
this paper are attached.

Respectfully submitted,

COPY

James A. Oliff
Registration No. 27,075

Eric D. Morehouse
Registration No. 38,565

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MAR 25 2003

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JAO:EDM/gam

Date: January 10, 2002

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AUTHORIZATION
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Charge any fee due to our
Deposit Account No. 15-0461



UNITED STATES PATENT AND TRADEMARK OFFICE

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 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/991,931	11/26/2001	Nobuaki Hashimoto	103092.02

 25944
 OLIFF & BERRIDGE, PLC
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 ALEXANDRIA, VA 22320

CONFIRMATION NO. 9980

FORMALITIES LETTER



OC000000007174605

Date Mailed: 12/10/2001

NOTICE TO FILE CORRECTED APPLICATION PAPERS

Filing Date Granted

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a)

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - more than one figure is present and each figure is not labeled "Fig." with a consecutive Arabic numeral (1, 2, etc.) or an Arabic numeral and capital letter in the English alphabet (A, B, etc.)(see 37 CFR 1.84(u)(1));

*A copy of this notice **MUST** be returned with the reply.*

Customer Service Center
 Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

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